

CURRENT LISTING OF CLAIMS

Claims 1 to 30. Cancelled.

31. **(Currently amended)** A method of diagnosing Crohn's disease in a individual, comprising:

- [(a) obtaining a sample from said individual;**
- (b) contacting said sample with] (a) contacting a sample from said individual with pbrA, or an immunoreactive fragment thereof, under conditions suitable to form a complex of pbrA, or said immunoreactive fragment thereof, and antibody to pbrA; and**
- [(c)] (b) detecting the presence or absence of said complex,**
wherein the presence of said complex indicates that said individual has Crohn's disease,
said pbrA having greater than 70% amino acid sequence identity with SEQ ID NO: 2 or SEQ ID NO: 3 and wherein said pbrA is purified, partially purified or present in a whole or fractionated *Pseudomonas* cellular extract.

32. **(Original)** The method of claim 31, wherein the presence or absence of said complex is detected with a detectable secondary antibody.

Claims 33 to 36. Cancelled.

37. **(New)** The method of claim 31, wherein said pbrA or an immunoreactive fragment thereof is purified.

38. **(New)** The method of claim 31 or 37, wherein said pbrA has greater amino acid sequence similarity to SEQ ID NO: 2 or SEQ ID NO: 3 than to the *P. aeruginosa* protein pvdS (SEQ ID NO: 7).

39. **(New)** The method of claim 31 or 37, wherein said pbrA has the amino acid sequence of SEQ ID NO: 2 or an immunoreactive fragment thereof.

40. **(New)** The method of claim 39, wherein said pbrA has the amino acid sequence of SEQ ID NO: 2.

41. **(New)** The method of claim 31 or 37, wherein said pbrA has the amino acid sequence of SEQ ID NO: 3 or an immunoreactive fragment thereof.

42. **(New)** The method of claim 41, wherein said pbrA has the amino acid sequence of SEQ ID NO: 3.